

# ADVANCED MINE DETECTOR

## DESCRIPTION

The Advanced Mine Detector (AMD) is a battery-operated, hand-held mine detection device consisting of a backpack with an integrated power supply, processor, and RF antenna, and a hand-held wand with sensor and controls. The AMD will combine metal detection, ground-penetrating radar and nuclear quadrupole resonance technologies to detect all known landmines.

## OPERATIONAL IMPACT

AMD will be a replacement for the aging PSS-12 metallic mine detector. The AN/PSS-12 can only detect 65% of known landmines.

## PROGRAM STATUS

AMD is currently in Concept Exploration at the Office of Naval Research. Marine Corps Systems Command has been actively involved in AMD development. The Marine Corps is currently awaiting the delivery of a prototype configured to detect TNT, RDX, and tetryl, as well as metallic landmines.

### PROCUREMENT PROFILE:

Quantity:

### DEVELOPER/MANUFACTURER

TBD

### FY 04

0

### FY 05

12